

EXHIBIT A

**THE CLAIMS WHICH WILL BE PENDING
UPON ENTRY OF THE PRESENT AMENDMENTS
(Filed January 30, 2003)
U.S. PATENT APPLICATION NO. 09/662,790**

1. A Multi-Analyte Profile (MAP) Test Panel comprising 20 or more subsets of microspheres, the microspheres of one subset being distinguishable from those of another subset and harboring at least one reagent designed to interact selectively, if not specifically, with a predetermined analyte.
2. The MAP Test Panel of claim 1 which comprises 50 or more, 75 or more, 100 or more, 200 or more, or 300 or more subsets of microspheres.
3. The MAP Test Panel of claim 1 in which the microspheres of one subset are distinguishable from those of another subset by their characteristic fluorescence signatures.
4. The MAP Test Panel of claim 3 in which the microspheres contain various concentrations of two or more fluorescent dyes.
5. The MAP Test Panel of claim 1 in which the at least one reagent comprises a small molecule, natural product, synthetic polymer, peptide, polypeptide, polysaccharide, lipid, nucleic acid, or combinations thereof.
6. The MAP Test Panel of claim 1 in which the predetermined analyte comprises a drug, hormone, antigen, antibody, protein, enzyme, DNA, RNA, or combinations thereof.
7. A kit for assaying 20 or more predetermined analytes in a single pass through a flow analyzer comprising a Multi-Analyte Profile (MAP) Test Panel comprising 20 or more subsets of microspheres, the microspheres of one subset being distinguishable from those of another subset and harboring at least one reagent designed to interact selectively, if not specifically, with a predetermined analyte.